

101.13 Cast Irons (chip form)

These SRMs are furnished in 150-g units (unless otherwise noted) for use in checking chemical methods of analysis.

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Elemental Composition (mass fraction, in %)																		
		C	Mn	P	S	Si	Cu	Ni	Cr	V	Mo	Co	Ti	As	Sn	Al (total)	Mg	N	Fe	
		Total	Graphitic		Grav	Comb														
4L	Cast	3.21	2.66	0.825	0.149	0.043	1.33	0.240	0.042	0.118	0.024	0.040	Zn (<0.001)	(0.03)	(0.03)	(0.004)	(0.004)	Sb (<0.001)	(0.0016)	Pb (0.001)
5m	Cast	2.59		0.74	0.32	0.133	1.83	0.89	0.041	0.080	0.033	0.029		0.097				0.006		
6g	Cast	2.85	2.01	1.05	0.557	0.124	1.05	0.502	0.135	0.370	0.056	0.035		0.059	0.042				0.005	
82b	Cast (Ni-Cr)	2.85	2.37	0.745	0.025	0.007	2.10	0.038	1.22	0.333	0.027	0.002		0.027						
107c	Cast (Ni-Cr-Mo)	2.99	1.98	0.480	0.079	0.059	1.21	0.205	2.20	0.693	0.015	0.83		0.019						
115a	Cast (Cu-Ni-Cr)	2.62	1.96	1.00	0.086	0.064	0.065	2.13	5.52	14.49	1.98	0.014	0.050		0.02					
122i	Cast	3.47		0.530	0.28	0.087	0.89	0.033	0.047	0.151	0.012	0.008		0.024						
334	Gray Cast (Carbon & Sulfur)	2.83			0.043															
338	White Cast (Carbon & Sulfur)	3.33			0.015															
341	Ductile	1.81	1.23	0.92	0.024	0.007	0.007	2.44	0.152	20.32	1.98	0.012	0.010		0.018			0.068		
342a	Nodular	1.86	1.38	0.274	0.019	0.006	2.73	0.135	0.058	0.034		0.006		0.020				0.070		
890	HC 250+V	2.91		0.62	0.025	0.015	0.67	0.055	0.397	32.4	0.45	0.018	(0.03)	(0.008)		(<0.01)		(0.089)	(61.8)	
891	Ni-Hard, Type I	2.71		0.55	0.038	0.029	0.56	0.150	4.48	2.23	0.039	0.27	0.19	(0.01)	(0.004)	(<0.01)	(0.008)	(0.012)	(88.5)	
892	Ni-Hard, Type IV	3.33		0.76	0.054	0.015	1.83	0.270	5.53	10.18	0.041	0.20	0.31	(0.02)	(0.006)	(0.02)	(0.009)	(0.019)	(77.4)	